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Dark WL I PIR LED Solar MODEL: 44083

INTRODUCTION

The Light works with a build-in PIR (Passive Infra Red) sensing device which is continuously scanning for heat-source moving in its detection scope. Once a heat-source (such as a human or a car) is detected in that area, the light switches on immediately and automatically to illuminate your pathways, steps, patios, porches, or anywhere you select for safety, convenience or security. The light remains on while heat-source moving stays in the detecting scope.

■ INSTALLATION SUGGESTIONS

For best detecting effect of PIR, we suggest you take the following points into account:

- Ideally, for maximum detection range, the Light should be mounted 1.8 to 2.5 meters (6 to 8 ft) above the area to be scanned (refer to Fig.1A).

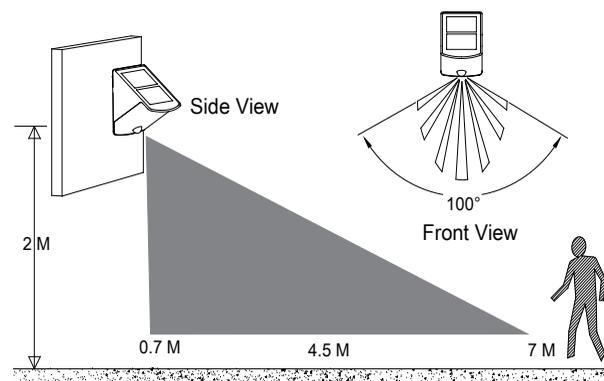
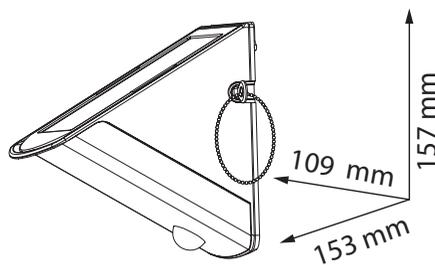


Fig 1(A) Detection Range

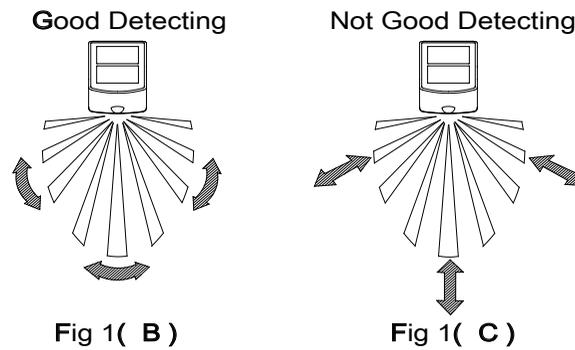
- To avoid damage to some components, please do not aim the sensor towards the sun.
- To avoid annoying unexpected triggering, the sensor should stay away from heat sources such as barbecues, Air-conditioners, other outside lighting, moving cars and flue vents.
- To avoid annoying unexpected triggering, please keep the sensor away from strong electromagnetic disturbance source.
- Do not aim the sensor at reflective surfaces such as smooth white walls, swimming pools, etc...
- The PIR sensor's detection range (about 7 meters at 100°round) may vary slightly depending on the mounting height and location. The detection range may also alter with environment temperature change.
- Before select a place to install, please note that sensor is more sensitive to movement across the scan area than to movement directly toward or away from the sensor (refer Fig.1B). If heat

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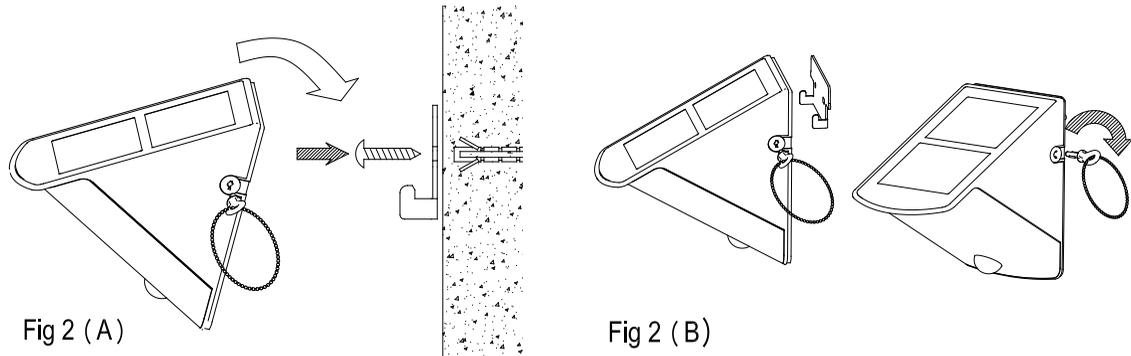
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source moves directly towards to or away from the sensor and not across, the detection range will be relatively reduced (refer to Fig.1C) .



INSTALLATION STEPS

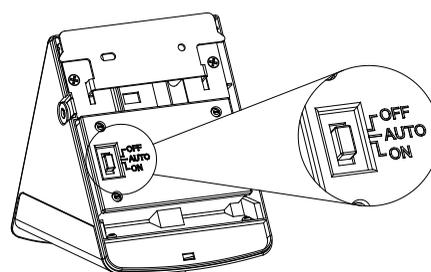
1. Drill two holes on wall where you want the light be mounted on and put the plastic plugs into wall holes. Then Mount the mount plate by screws (refer to Fig 2 A)



2. Fix the light on the wall plate and lock it by turning the key. Remove the key and keep it for future use. (refer to Fig 2 A)

OPERATION

1. Mount the light on place where it can get max. DIRECT SUNLIGHT in daytime. The inside batteries are charged by solar cell. The more direct sunlight solar cell receives in daytime, the longer the light will run. It is better to charge the solar cell in sunlight for up to one day before switching on it, so that the light can work with a full charge.
2. Modes of slide switch:
AUTO: Normal work automatically
ON: Constantly light on as emergency lamp
OFF: Power off for storage and long time charging





FEATURE

1. While light is turn on for the first time, LED light on and PIR start warming up. Then, LEDs stay on for 40 sec., then flash for 3 times and shift to detection mode.
2. At night, LEDs will remain on for 60 seconds since the last movement is detected. If a movement is detected during the light-on time, duration time will be renewed and LEDs remain ON for another 60 seconds.
3. In daylight or bright environment, PIR's Lux control works, movement does not activate the PIR.

TECHNICAL DETAILS:

Battery:	3 pieces of AA 1.2V-600mAh batteries
Wattage:	2×0.5 W LED, static ≤0.64 mW
Voltage:	3.6V DC
Duration time:	60±10 sec.
Detection range:	100° (round) , Max. 7 meters
Weatherproof:	IP44

Trouble shooting and user hints

PROBLEM	POSSIBLE CAUSE	SUGGESTED REMEDY
Light does not switch on when there is movement in the detection area.	1. Batteries are used out	Recharge batteries
	2. Nearby lighting is too bright.	Re-direct sensor or relocate the unit
	3. Sensor towards wrong direction	Re-direct the PIR
Light switches on for no apparent reason (false trigger)	1. Heat sources such as-aircon, vents, heater flues, barbecues, other outside lighting, moving cars are activating the sensor.	Place it away from these sources.
	2. Animals/birds e.g. possums or domestic animals.	Redirecting light may help.
	3. Reflection from swimming pool, or reflective surface.	Re-directing light
Light switches on during daytime	Something shadow the Lens of PIR Sensor	Redirecting light

Note: all PIR sensors in dry and cold environment are more sensitive than that in wet and heat environment.



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